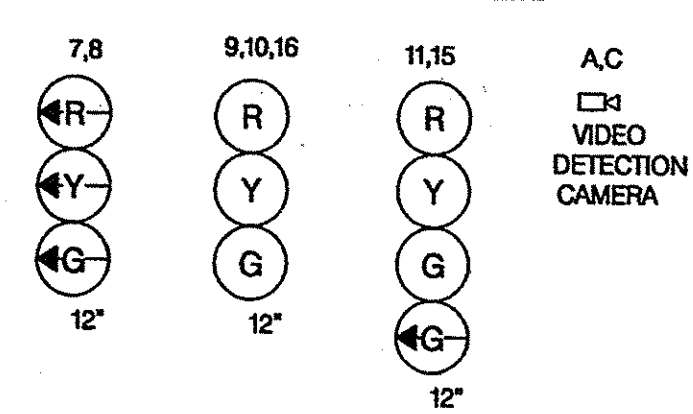


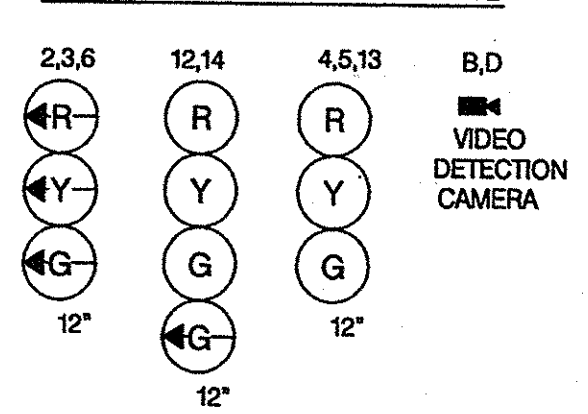
June 1, 2004

MD 174 IS ASSUMED TO RUN
IN A EAST- WEST DIRECTION

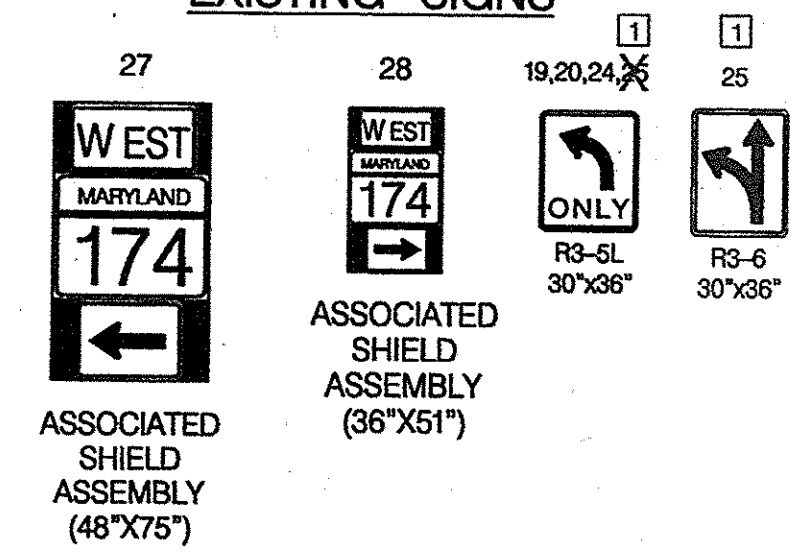
EXISTING SIGNALS



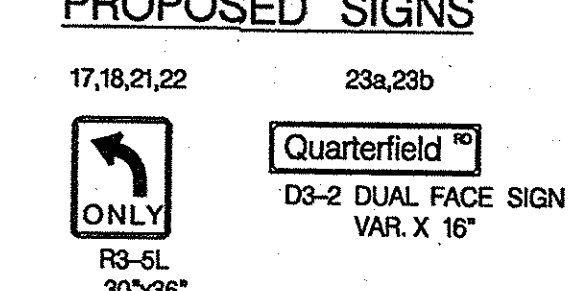
PROPOSED SIGNALS



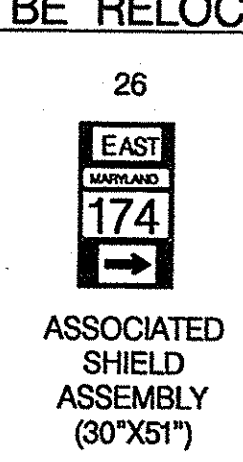
EXISTING SIGNALS



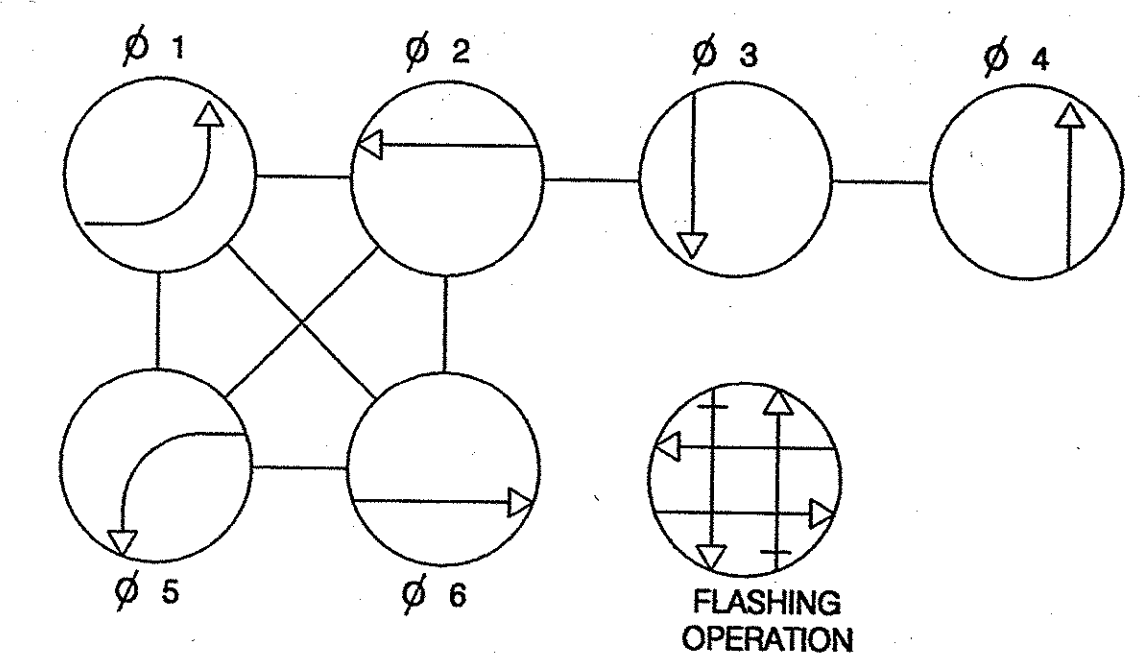
PROPOSED SIGNALS



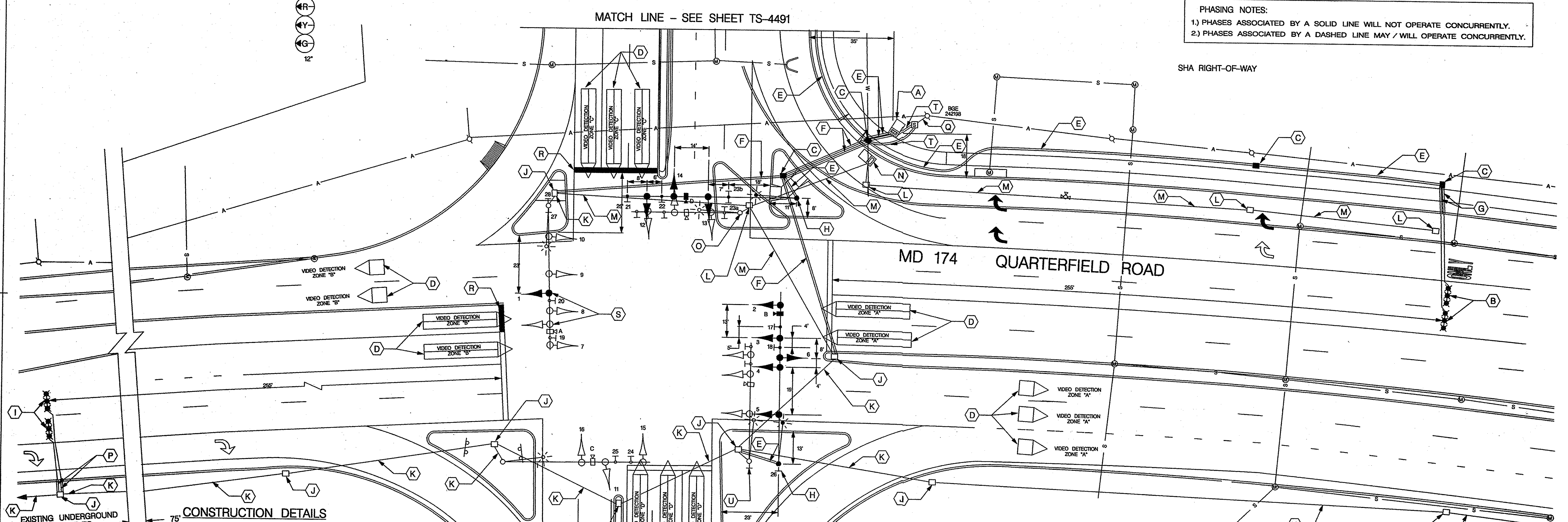
EXISTING SIGNALS
TO BE RELOCATED



NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A DASHED LINE MAY / WILL OPERATE CONCURRENTLY.



EXISTING UNDERGROUND
INTERCONNECT TO
PARK WEST DRIVE
(SEE NOTE 8)

LEGEND OF UNDERGROUND
AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

CONSTRUCTION DETAILS

- A. INSTALL NEMA SIZE "6" BASE-MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT. (NOTE: 2-2", AND 2-4 IN., SCHEDULE 80 PVC CONDUIT BENDS)
- B. INSTALL MICRO-LOOP PROBE WITH 500 FOOT LEAD-IN.
- C. INSTALL HANDHOLE.
- D. VIDEO DETECTION AREA.
- E. INSTALL 4" SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT - TRENCHED.
- F. INSTALL 4" SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT - BORED
- G. INSTALL 1" GALVANIZED STEEL CONDUIT FOR DETECTOR LEAD-IN.
- H. INSTALL 27" STEEL POLE, 70" MAST ARM, SIGNAL HEADS, 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE, VIDEO DETECTION CAMERA, AND SIGNS. (NOTE: 1-4", SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND.)
- I. INSTALL MICRO-LOOP PROBE WITH 1000 FOOT LEAD-IN.
- J. USE EXISTING HANDHOLE
- K. USE EXISTING CONDUIT
- L. REMOVE EXISTING HANDHOLE
- M. CAP AND ABANDON EXISTING CONDUIT
- N. REMOVE EXISTING BASE MOUNTED CABINET AND CONTROLLER.
- O. REMOVE EXISTING MAST ARM POLE AND ASSOCIATED EQUIPMENT
- P. INSTALL 1 IN. LIQUID-TIGHT, NON METALLIC CONDUIT
- Q. PROPOSED ELECTRICAL SERVICE
- R. INSTALL 24 IN. THERMOPLASTIC PAVEMENT MARKING
- S. RELOCATE EXISTING SIGNAL HEAD
- T. INSTALL 2" SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT - TRENCHED.
- U. REMOVE EXISTING MAST ARM POLE AND ASSOCIATED EQUIPMENT AND RELOCATE ROUTE MARKER TO NEW POLE

GENERAL NOTES

- 1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
- 2. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCE AS SPECIFIED IN MD 818.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- 3. UNLESS OTHERWISE NOTED, ALL EXISTING EQUIPMENT WILL BE USED.
- 4. ALL UNUSED CABLE SHALL BE REMOVED.
- 5. DISCONNECT AND ABANDON EXISTING MD 174 PASSAGE DETECTION.
- 6. INSTALL NEW INTERCONNECT CABLE FROM THE PROPOSED CONTROLLER, THROUGH THE CONDUIT, TO THE EXISTING CONTROLLER AT MD 174 AT THE NORTHBOUND I-97 RAMP (APPROXIMATELY 1500 FT. LENGTH).
- 7. INSTALL NEW INTERCONNECT CABLE FROM THE PROPOSED CONTROLLER, THROUGH THE CONDUIT, TO THE EXISTING CONTROLLER AT MD 174 AT PARK WEST DRIVE (APPROXIMATELY 880 FT. LENGTH).

EXISTING UNDERGROUND
INTERCONNECT TO
OLD STAGE ROAD
(SEE NOTE 7)

TRAFFIC **C**ONCEPTS INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101
FAX (410) 923-6473
EMAIL: TRAFFIC.CONCEPTS@COMCAST.NET

APPROVALS		REVISIONS	
TEAM LEADER			
ASST. DIR. CHIEF			
DIR. CHIEF			
OFFICE DIRECTOR			
ORIGINAL ON FILE		[B] RED LINE 1 CORRECT OVERHEAD SIGN 32007 REVISED NORTH LEG OF INTERSECTION SHA NO. 0207404.80	
		T Z SMH JAH MAR MAR TH 75 A REDLINE REVISION ADD VIDEO DETECTION CAMERAS	
		JWA MAR DAZ BRK TH	

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL PLAN
MD 174 (QUARTERFIELD ROAD) AND
I-97 S.B. RAMPS

SCALE 1" = 20' DATE 6-01 CONTRACT NO. AA629B21

DESIGNED BY
DRAWN BY J.R.H. JR.
CHECKED BY T.HOLLOWAY
F.A.P. NO. SEE TITLE SHEET

COUNTY ANNE ARUNDEL
LOGMILE 0207404.80
T.I.M.S. NO. H788
TOD NO.

DRAWING NO. TS 4171 B1 SHEET NO. OF